

From 1872, however, until the present day Bingham has been a steady producer of the precious metals, adding many millions to the wealth of the world.

BINGHAM'S PECULIARITY.

Bingham is essentially a "poor man's camp"—that is, the formation is such that, as a rule, but little money is needed to work the properties. Millions of dollars have been made without going beneath the crust of the earth. This was noticeably the case with the Old Telegraph, and it can be safely said that there are more what would be called poor men making a living out of the mines of Bingham than in any other camp in the world. When mining properties famous the world over for their great shipments shut down because of a depression in the price of the precious metals, the mines of small means keep going away and sending down to the smelters in the valley their modest shipments, which are pretty sure to at all times reward them with a competence. The comparative absence of water, large bodies of lead and silver ore, and accessibility to the railway are other reasons why Bingham finds favor in the eyes of mining men of moderate means. "Without disparaging the efforts and enterprise of the big companies, which have done much for Bingham," said Recorder Barney Quinn in a recent interview, "there are few large companies and more individual owners in Bingham than in any other camp in Utah, and this, from my experience, is a very desirable state of affairs. Big mines and mammoth corporations are at all times welcome, but it is the individual miners in the soil that pays well who make up the prosperity of a mining camp."

IMPROVEMENTS VERY GENERAL.

The improvements made in Bingham during 1902 have been numerous and substantial. Many new residences and several business blocks have been built, adding greatly to the appearance of the camp, and the convenience and comfort of the visitor. The Humphreys & Milner concentrator in Main Bingham, near the depot, is one of the substantial evidences of Bingham's progress. It was erected in August last, and six men are now kept busy running it, which has a capacity of about forty tons per day. Many tons of ore that heretofore could not be shipped are now concentrated and made marketable. A tramway is now being built to connect the mouth of the Petro tunnel with the ore bin of the concentrator.

The Dixon's new hoisting works, costing several thousand dollars are in close proximity. The new hoisting works of the old Jordan and South Galena, built to replace those destroyed by fire four months ago; the old Telegraph hoist and the mill at the Stewart No. 2 are also among the improvements that go to mark the advance of Bingham during the year.

BINGHAM AND RAILROADS.

The Rio Grande Western is now the only railroad reaching the camp, but there is every good reason to believe that it will not be a great while before the Union Pacific will come in for a fair share of the mammoth business of Bingham. A survey which would take the Union Pacific railway past the rich mines of Carr Fork and into Upper Bingham, at least four miles nearer the big producers of the camp than the present terminus of the Western, was made over a year ago, and it is believed that a few months will see the Union Pacific heading that way. The Rio Grande Western cut into exclusive business at Tintic," said a prominent Union Pacific official lately, and there would be no violation of railway etiquette in our road retreating and forcing a division of the Bingham business." Retaliation aside, however, the business alone would justify the Union Pacific in at once building to the "Old Reliable Camp of Utah."

SCHOOLS AND CHURCHES.

Bingham has two regular public schools and a catholic church, the latter erected during the present year. It is a very neat little house of worship. Bingham's population is about 2,000.

BINGHAM'S COPPER STREAM.

Bingham has a curiosity in a stream of clear water so strongly impregnated with copper that the metal is readily collected by the immersion of old iron, to which the pure copper clings. The stream emerges from the base of a precipitous mountain, and all along the creek in the bed of the canyon in Upper Bingham, are strong indications of copper, which some day will be an important industry in Bingham. Little, if any, copper has yet been produced here, experiments being conducted on a very small scale so far, but arrangements will be made early in 1903 by which a strong company will do extensive prospecting in the canyon and considerable development work on claims already taken up, and which have most excellent indications.

THE CLIMATE.

Unlike that of most of the mining camps in Utah, the climate of Bingham is mild and equable. When the snow is a foot deep in the valley, but a few inches will be found in Bingham, while the temperature is usually the same. Bingham has direct communication by telegraph and telephone with the entire territory. Two hotels do a fair business, and there are several public halls, secret society buildings, etc.

OLD JORDAN AND SOUTH GALENA.

Among the heaviest shippers, not only in Bingham but in the whole territory, is the Old Jordan and South Galena, which was the first location made in Bingham, and which has produced its millions. It is connected with the mill by a tramway four miles long; the empty cars are hauled to the mine by mules, and, being loaded, descend by gravitation. It is very likely that the mule motor will soon be superseded by a steam motor similar to that now in use at Park City and elsewhere.

THE BROOKLYN.

is also a heavy producer, the average output being over 250 tons a month. The mine is also connected with the Lead mill by a tramway, operated in the same manner as that of the mine above named. One advantage Bingham has over other camps in the territory is that her tramways are rarely snowbound—a consideration when one takes into account the probability of a blockade of three months in a majority of our mining camps.

THE CORAMANDER CONSOLIDATED.

is composed of three claims—the Lookout, Grand Cross and Mary. The group is next to the Petro, which has lately produced some very valuable ore, and there is every reason to believe that this group, which was opened less than two years ago, will yet prove to be one of the heaviest producers in camp. Up to date, nearly \$55,000 has been paid in dividends.

THE OLD TELEGRAPH.

one of the most famous mines of the west, which has produced millions, is now being worked by several lessees, and regu-

lar shipments are now being made. Beyond this, no information is obtainable. A hoist has been put in, and a mill to work the dump is among the earliest possibilities.

THE DALTON.

an old property, which has been worked in a plodding way for many years, by J. T. Schenk, has at last rewarded its owner, a strike rich in high grade native silver having been lately encountered; and it may be classed hereafter as one of the best mines in the whole district.

THE BUTTERFIELD.

The Butterfield Mining company has spent many thousands of dollars during the present year in developing a group of claims in the Black Jack country. A tunnel, which when completed will be at least 3,000 feet long, will tap the Queen, one of its richest of a group of properties, at a depth that will pay heavily and increase the output of the camp heavily.

THE SAMPSON.

in the Lead Mine gulch, was purchased by George Arthur Rice, A. E. Hyde, John Beck and others eighteen months ago. Since the new company obtained control hundreds of tons of ore have been shipped, and a great deal of development work done, with indications growing more favorable every day.

THE YOSEMITE NO. 2.

another of the old mines of the district, that has produced its hundreds of thousands in years gone by, and produces as regularly as the days roll by, is under the superintendency of Ed Egan. It has attained a depth of nearly 1,200 feet and is one of the best mines in the great west. Its output has been enormous and the end has not by any means been reached. The Yosemite is fully equipped in every particular. Under the same management, virtually, in the Yosemite No. 1, which is shipping steadily, a small force only being worked.

THE DANGER.

is located just below the famous Brooklyn, and there is a general belief that it is on the same vein. It is equipped with a small steam hoisting works, and has shipped a great deal of ore in years gone by. The shipments this year have been very heavy and have fully justified the faith of its owner.

THE LUCKY BOY.

owned by the millionaire miner, L. E. Holden, is now under lease to H. G. Gregerson, and is steadily shipping. As a rule, the ores run much higher than the average of Bingham.

THE ROUGH AND READY.

is owned by John Tiernan, and is under lease to Mike Gibbons. It has been a wonderful producer in years past, and fully keeps up its previous reputation. It has produced some very fine concentrating ore, and a man who erects a small mill near by will make a fortune.

THE SILVER ZONE AND GRABALL.

once owned by David Kay and others, have been absorbed by the Old Telegraph company. No work of moment was done during the year.

BOLDEN'S SILVER GAUNTLET.

has come to the front during 1902. In years past the mine has produced millions, and there is every indication that its former brilliant reputation will be re-established. The Gauntlet and June Blossom are both leased to and being operated by Mike Kiopeustic, and that he will soon be clipping coupons there can be no doubt.

THE TIEWAUKEE.

another property that in the past has produced its millions, is now under lease to Peter Johnson, and has made a most excellent showing during the year. The prospects have not been brighter for years past than they are now.

THE HIGHLAND.

is one of the biggest and most reliable mines in the camp, is being worked by four lessees, and is sending down concentrates at a lively rate—a pace very satisfactory to the owners, Messrs. Frank Hoffman, Henry Denhauser and others.

THE NORTH LAST CHANCE.

has produced remarkable bodies of ore, and has made a remarkable record in many ways for the year 1902. The development work has also been pushed to its utmost limit, while the mill is kept going night and day. New rolls were lately put in.

A cyanide mill is being put in at

THE STEWART NO. 2.

and great results, in so far as the reduction of low grade gold ores go, are expected. It is claimed that a greater portion of the low grade gold ores of Carr Fork can be reduced at a handsome profit by this process, and if this be so, it means very much for Bingham, as there are thousands of tons of such ores now lying on the dumps of the various mines that will be converted into double eagles in a very short time.

THE PEABODY.

in a quiet way—so quiet that it is impossible to obtain even an intimation of the amount—has sent out ore by the carloads during almost the entire year. The Peabody is one of the big shippers of the past, with a great future before it.

As the Petro's owners have done a great amount of development work in 1902, and have shipped, on an average, 70 tons of first-class ore a month, besides enough concentrating ore to keep a mill running.

THE DIXON.

to use the language of an enthusiastic promoter, a heavy, A. new shaft, costing \$10,000, has lately been added, and development work pushed. The close proximity of the Dixon to the concentrator saves a great deal of money, usually expended in a haul down the canyon.

THE MONITOR.

which has been under bond and lease to Campbell, Pitts & Fritchard, will soon be purchased by that firm. A mill on the cyanide pattern will be erected early in the spring, there being, in the estimation of the firm, a sufficient quantity of root ore in sight in the mine and on the dump to guarantee this move. It was the Monitor that caused such a sensation in mining circles a year or so ago by the rich gold strike.

THE T. X. L.

has made no shipments lately, but the lessees, Farrington & Kilburn, are taking out and sacking large quantities of ore, which will be stored away until spring.

THE NORTHERN CHIEF.

belongs to the Butterfield Mining company, but is now leased by Gavin & Wilt, who are sending out 50 tons a day of high grade ore.

THE TUNGREN GROUP.

is one of the new-old properties that promise to do much for the camp in the future. The group consists of the Bully Boy, Irish American, Bonnie Blue Flag and one or more other claims. A rather

heavy shipment recently made to the concentrator turned out so well that work will be pushed all winter and a great deal of development done.

THE NIAGARA GROUP.

consists of thirteen mines, and some of the properties, it is confidently believed, will ere long be able to stand alongside the Old Jordan and South Galena. The great Niagara tunnel, when completed, will tap a number of claims at a depth of from 500 to 2,000 feet.

THE VESPAIAN.

a new candidate for honors in Bingham, is working a big force of men, and has made frequent rich shipments. It is now under lease and will probably soon change hands.

THE JULIA S AND LONE TREE.

are owned by Stephens & Cleary. They are both new mines, but every indication points to success. The tunnel is now in 225 feet, and there is stored away to be shipped in the spring 400 sacks of 70-ounce ore. Work has been, or soon will be, closed for the winter.

THE MOHAWK GROUP.

recently incorporated, is worked by John A. Van Pelt. The claims adjoin the famous Winnamuck, and are considered excellent property. They are being developed by a tunnel, which it is believed, will cut several very valuable ledges.

THE AMANDNA AND STARLESS.

which have produced much good ore in the past, are owned by George E. Lee and L. C. Jeffery. A tunnel is being run to tap the vein at a point below the old workings, and the coming spring will doubtless see the mines on the shipping list.

THE MINNIE.

is located near the Petro. It is being worked by McAllister brothers, of Salt Lake, with very fair results.

THE BLACK DOG.

is owned by W. J. Strickley and John Burrows. It has made several shipments and is considered one of the future great mines of the camp.

Yardson & Heath of Salt Lake, are the owners of

THE FAIRVIEW.

upon which considerable development work has been done and some shipments made during the present year. It is situated in the Black Jack gulch, and will doubtless ere long be reckoned among the best of the small mines in Bingham.

THE MONTEZUMA.

has four feet of good ore, and is noted as being among the regular shippers in a small way, and as one of the most promising properties in the West.

THE WELLS AND THE YORK.

have been consolidated. Some small shipments have been made, but attention has mostly been confined to development work, which is proceeding very satisfactorily and with promises of good results.

THE TILDENS.

Gebhardt & Davis, of Salt Lake, own the Tilden No. 1 and Tilden No. 2. No. 1 is under lease, and both mines make a most excellent showing.

THE MORNING STAR.

is under lease and bond to H. F. Sampson, and there is so much faith in the property that a sale for a big figure is now pending.

THE EDA.

is under lease and bond for \$10,000. A recent strike will probably be the means of consummating the sale.

THE VENICE.

The Venice No. 1 and No. 2, owned by Jarrard, Hopkins & Galliana, are worked through one tunnel. Only a small force is now engaged, however. Assays show as high as 66 lead.

THE PEARL AND LITTLE RAY.

are in the Black Jack locality, close to the Queen and Lucky Boy. There has been a great deal of development work done. The ore now in sight is high grade, very similar in character to that of the Queen and Lucky Boy. A United States patent has been secured, and the owners believe the two mines will soon be heavy producers.

RAUCH'S GOOD CLAIMS.

The Old Clipper, Jersey Blue and Rob Ray are in the Carr Fork gulch and are owned by Ed Rauch. They are under lease and bond for a large amount. Development work done during the year has made evident the fact that further explorations will show mineral of great value.

ANOTHER CONSOLIDATION.

The Benton, Nash and Saturn have been consolidated and are being developed by a tunnel 1,500 feet in length. A. Peterson is the lessee. He has made several large shipments during the year. The output for 1902 will be more than double that of 1901.

THE YERICK.

has paid very handsomely in years gone by, and is now under lease to parties who have the requisite energy to push the mine to the front once more.

THE ALAMO.

is owned mostly by Salt Lickers. It is one of the new properties of Carr Fork, and is being developed by a tunnel 550 feet long. This it is believed, will strike the ledge at a depth sufficient to allow the extraction of the ore at a comparatively small expense compared with the operation of a hoist. Assays recently obtained from Alamo ore are gratifying in the extreme.

THE GREEN GROVE.

owned by Sessions, Herson & Henry, has a large quantity of first-class and second-class ore on the dump. Surface improvements, consisting of a boarding house and other conveniences, have been made during the year, and 1903 will see the Green Grove among the best shippers of the camp.

THE EAGLE BIRD.

is situated on the divide between Black Jack and Highland. It is owned by Hon. M. F. Arnett and others, and has yielded very fair ore. It is now closed for the winter.

THE LIVE PINE.

group is now under bond and lease, and the manner in which the property is being worked shows that it is in the faith of the owners therein. Development only goes to show that it, too, must be ranked as among the future great properties of Bingham.

THE SILVER SHIELD.

is owned by John Tiernan, and though comparatively quiet at present, owing mainly to the depression in lead and silver, it will yet be heard from and in no uncertain tones.

THE JOSEPH.

can hardly be said to belong to Bingham. It is situated on the divide between Col-

tonwood gulch and Pine canon, part in Tooele and part in Salt Lake county. It is owned by Stevens, Jarrard & Quinn. The work done so far has been small, but a vein similar to that of the Petro has been discovered.

THE GREAT WESTERN.

on York Hill is one of the best prospects to be found in the camp. A great deal of work has been done, and with results that are decidedly gratifying to the owners.

THE BIG GIANT.

owned by Hazelgrove & Kirby, is under bond and lease for \$10,000 and is being steadily worked. Quite a number of surface improvements have lately been made.

THE BROAD GUAGE.

owned by W. C. Hall and others, which has been quiet for some time past, will again be started up early in 1903. It has been a great producer in times past, and will soon again be quoted as a shipper.

THE THURSH.

which is in close proximity to the Tiwauke, is owned by Stevens & Collins. Several shipments of steel galena, first and second class, have been made, during the development of the past year.

THE LEADVILLE.

is a comparatively new claim. Considerable work has been done in the way of assessment and development, and the outlook is all that could be desired. It is owned by Stephens, Jarrard & Lancia.

THE PARNELL.

owing to litigation, is silent now. This mine was formerly known as Mormon Nell, and old-timers of the camp are not yet through telling the story that it was out of ore from this property that Tom Linden got his famous assay of 135 per cent. lead.

THE MINER'S DREAM.

is in good company, being immediately below the Sampson. It has been a wonderful producer of very high grade ore in the past and is now under lease to Jones & Garnick. The litigation that has kept back the development of the property having ceased, it will soon be ranked among the big shippers and add very materially to the prosperity of Bingham.

THE EVERGREEN.

is famous as the mine in which Mullett & Davis made their big strike a few years ago. It is now being worked again, after a silence of some time, and will soon be found among the regular shippers.

THE U AND I.

has made several shipments during the year, and the owners believe they have a good thing in sight.

THE CROWN POINT.

is one of the best prospects in the whole camp. Work was abandoned on account of water about a year ago, but a pump having been put in, work will be pushed from now on. There is good gold ore in sight and plenty of it.

ROGERS' MILL.

John Rogers, who has been running a one-stamp mill in the gulch immediately below the South Galena and other big mines, has increased his capacity to five stamps, and is handling a great deal of tailings and other refuse, out of which he makes a very fair profit.

THE HIGHLAND.

is now working about forty-five men, and can justly lay claim to being one of the big producers of the camp. All of the first class ore finds its way to the smelters in the valley, while the second class product goes through the Niagara concentrator.

THE COPPER CLAIMS.

The copper claims of Bingham are numerous and will some day show a surprising richness. So far as gold is concerned the district has barely been scratched.

The output of Bingham for 1891 reached 138,475,791 pounds. There will be but little falling off in the showing made in 1902.

DEEP CREEK MINES.

A World of Wealth Awaiting Means of Transportation.

A Tasting Glimpse of the Various Camps Shows What Might Be Easily Accomplished by Cheap Transportation.

What is known as the Deep Creek country comprises the following districts: Dagway, Fish Springs, Willow Springs, Trout Creek, Pleasant Valley, Glencoe, White Cloud, Mercury, Black Mountain, Duck Creek, Antelope, Kingsley, Dolley Varden, White Horse, Ferguson Spring, Farber, Dutch Mountain, Gold Hill, Clifton and Spring Creek.

DAGWAY.

A great many of the mines in this district were discovered twenty years ago. There are large bodies of low-grade ores, carrying silver, lead and traces of gold. A number of years ago some parties put a smelter which made a short run, but mismanagement, lack of funds and a freeze-out game soon closed it down. Sam Gilson and others discovered the Buckhorn, from which some rich ore has been shipped. One assay from the Buckhorn went 30.00 ounces silver and 6 ounces in gold. Their first ore panned out, but they have found the ledge in another place. This is a valuable mine on account of the gold it carries.

The Yellow Jacket has a vein 20 feet wide, assaying from 12 to 30 ounces silver and 20 per cent. in lead.

The Saddle Rock is another good mine. It has a vein from six to forty feet wide, which assays 19 ounces silver.

Mr. Williams' Silver King has a 9-foot vein which started in low grade ore, but now assays 200 ounces. This gentleman has several more good claims.

Jack DeLaney has about forty high grade and low grade prospects.

A. M. Cannon has seven patented claims on which he has spent \$40,000 for development work. He deserves great credit for the liberal outlay of money and for the untiring energy he has displayed in working his claims; and deserves the good luck which has befallen him. Dagway is about one hundred miles from Salt Lake city, on the old overland road. There are nearly 400 claims in this district.

FISH SPRINGS.

This remarkable camp was discovered

by Charles VanAlstine and Charles Parr, in December, 1880. To VanAlstine belongs the credit of discovering the great Utah. He and Parr had been out in the December cold for about three weeks; their provisions were nearly exhausted, and their hopes of striking it rich were down to bed rock. They concluded to turn back. VanAlstine said to Parr: "You drive the team to Fish Springs, and I will go across the mountain and see if I can't strike something." When near the top of the mountain, on a spur that dipped to the west, he discovered what looked like croppings. He struck his pick in and uncovered what proved in a very short time the most remarkable mine that had ever been discovered—remarkable for the fact that it runs the highest in lead and silver of any mine in the west; never before has ore carrying so much silver carried so high a percentage of lead. The ledge is 9 feet wide, averaging 300 ounces in silver and 55 per cent. lead. It has shipped in the last two years \$201,440.01 worth of ore. They have had to haul the ore seventy-six miles across the desert to the railroad. There is now \$1,000,000 in sight. The company is incorporated and almost all the stock is owned by Van Alstine, Crismon Bros. Pete Read and M. Weller. Besides the Utah, they have about twenty claims, some of which are destined to become shippers in a very short time.

The Emma is a great mine. It is owned by Chipman & Co. They have shipped about \$100,000 worth of ore, and now have plenty in sight.

Morehouse & Sons have a number of fine claims.

The Thomas Bros. have some fine property—about ten claims in all.

Oscar Stewart has what will yet make him a rich man.

Theodore Burmeister has a few claims which he thinks he will go to the World's fair on.

Charles Parr has some fine claims. There are a great many more owners of ground in Fish Springs district, who class themselves among the prospective millionaires.

Taken all in all, this is a very high grade camp. It is about one hundred and twenty-five miles from Salt Lake city, and four miles from the old stage road.

WILLOW SPRINGS.

Most of the mines at Willow Springs were discovered twenty years ago. The ores are low grade, and as a consequence very little work has been done. Last winter there was quite a little excitement in this camp, as there had been some very valuable ore struck high up on the mountain.

L. C. Karriek has a shaft down 100 feet, with a small vein of very rich ore in the bottom.

Farr, Tripp & Son, George Schell and the Watson brothers of the Sixth ward are among the mine owners in this district.

TROUT CREEK.

is of recent discovery. The ores here all contain gold. Charles Decker & Sons have some fine claims in Granite canyon.

The Brim brothers also have some fine claims in this camp.